

Form PTO-1449 U.S. Department of Commerce (Rev. 8-88) Patent and Trademark Office	Attorney Docket No.: 0941.68342	Divisional of Serial No.: 08/939,822
INFORMATION DISCLOSURE CITATION (Use several sheets if necessary)	Applicant: Ohmuro et al.	
	Filing Date: September 29, 1997	Group: 2871

## U.S. PATENT DOCUMENTS

Examiner Initial*	Document Number	Date	Name	Class	Subclass	Filing Date If Appropriate
✓	3,910,680	Oct. 7, 1975	Kakeda			
	4,398,803	Aug. 16, 1983	Pohl et al.			
	4,701,028	Oct. 20, 1987	Clerc et al.			
	4,957,349	Sept. 18, 1990	Clerc et al.			
	5,138,474	Aug. 11, 1992	Arakawa			
	5,235,450	Aug. 10, 1993	Yoshimura et al.			
	5,309,264	May 3, 1994	Lien et al.			
	5,313,562	May 17, 1994	Wiltshire			

## FOREIGN PATENT DOCUMENTS

	Document Number	Date	Country	Class	Subclass	Translation	
						Yes	No
✓	50-93665	Jul. 25, 1975	Japan				X
✓	1475378	June 1, 1977	Great Britain			X	
✓	53-120299	Oct. 20, 1978	Japan			X	
✓	57-618	Jan. 5, 1982	Japan			Abs.	
✓	57-40229	March 5, 1982	Japan				X
✓	60-211421	Oct. 23, 1985	Japan			Abs.	

## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

✓	S. Yamaguchi, M. Alzawa, J.F. Clerc, T. Uchida, J. Duchene, "Homeotropic-Alignment Full-Color LCD" SID '89 Digest pages 378-381.
✓	Hitoshi Hatoh, Kiyoshi Shohara, Yoshihiro Kinoshita, and Noriko Ookoshi "Molecular tilt direction in a slightly tilted homeotropic aligned liquid crystal cell" Applied Physics Letters Vol. 63 (1993) No. 26, pages 3577-3579.
✓	F. Clerc "Electro-optical limits of the electrically controlled birefringence effect in nematic liquid crystals", Displays, pages 341-347, Oct. 1981.

Examiner

Date Considered

2/05/05

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Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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	5,477,358	Dec. 19, 1995	Rosenblatt et al.			
	5,602,662	Feb. 11, 1997	Rosenblatt et al.			
	5,608,556	Mar. 4, 1997	Koma			
	5,621,558	Apr. 15, 1997	Shimada et al.			
	5,666,179	Sep. 9 1997	Koma			
	5,757,454	May 26, 1998	Ogishima et al.			
	5,757,455	May 26, 1998	Sugiyama et al.			
	5,796,456	Aug. 18, 1998	Takatori et al.			
	5,805,253	Sep. 8, 1998	Mori et al.			

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						Yes	No
	661361	July 15, 1987	Switzerland				X
	62-180326	Aug. 7, 1987	Japan			Abs.	
	2595156	Sept. 4, 1987	France				X/III
	0350382	Jan. 10, 1990	European Patent Office			X	
	2-15239	Jan. 18, 1990	Japan				X
	2-176625	Jul. 9, 1990	Japan			Abs.	
	2-548979	Jul. 9, 1990	Japan			Abs.	
	2-242225	Sep. 26, 1990	Japan			Abs.	
	3-5721	Jan. 11, 1991	Japan			Abs.	
	03-103822	Apr. 30, 1991	Japan			Abs.	
	3-223812	Oct. 2, 1991	Japan			Abs.	
	03-243919	Oct. 30, 1991	Japan			Abs.	

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	5,808,705	Sep. 15, 1998	Hishida et al.			
	6,057,901	May 2, 2000	Xu			
	6,061,116	May 9, 2000	Nishida et al.			
	6,141,075	Oct. 31, 2000	Ohmuro et al.			
	6,281,956	Aug. 28, 2001	Ohmuro et al.			

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✓	4-14329	Mar. 12, 1992	Japan				X
✓	04-153621	May 27, 1992	Japan			Abs.	
✓	4-225325	Aug. 14, 1992	Japan			Abs.	
✓	05-66401	Mar. 19, 1993	Japan			Abs.	
✓	5-53134	Mar. 5, 1993	Japan			Abs.	
✓	0538796	April 28, 1993	European Patent Office			X	
✓	5-113561	May 7, 1993	Japan			Abs.	
✓	6-43462	Feb. 18, 1994	Japan			Abs.	
✓	6-301036	Oct. 28, 1994	Japan			Abs.	
✓	95/00879	Jan. 5, 1995	World Property Organization			X	
✓	7-13164	Jan 17, 1995	Japan			Abs.	
✓	7-28063	Jan. 31, 1995	Japan			Abs.	
✓	7-191320	Jul. 28, 1995	Japan				X
✓	07-244280	Sep. 19, 1995	Japan			Abs.	
✓	96/10774	Apr. 11, 1996	World Property Organization			X	
✓	8-43825	Feb. 16, 1996	Japan				X

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✓	8-201802	Aug. 9, 1996	Japan			Abs.	
✓	9-29455	Feb. 4, 1997	Japan				X
✓	10-123576	May 15, 1998	Japan			Abs.	

**OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)**


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